Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/16/2018 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124005	-1	1.15	124070	1.15
Blue	F	SSC	125000	125884	0	1.56	126702	1.65
Blue	E	FITC	16596	16185	-3	2.78	350	21.27
Blue	D	PE	29392	28766	-3	1.86	626	15.87
Blue	B	PerCP-Cy5-5	38531	38151	-1	4.28	1162	21.99
Blue	A	PE-Cy7	26351	26421	0	8.01	657	43.34
Red	C	APC	43035	42198	-2	2.71	1589	13.53
Red	A	APC-Cy7	25611	25358	-1	3.26	876	12.99
Violet	B	V450	8803	8326	-6	3.97	460	14.12
Violet	A	V500	32560	31374	-4	3.52	732	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20524	3.69	602	5	N/A	N/A	Pass
Blue	F	SSC	57093	1.08	569	14	N/A	N/A	Pass
Blue	E	FITC	62	68.71	553	3	0.0173	161	Pass
Blue	D	PE	131	55.17	553	4	0.1482	323	Pass
Blue	B	PerCP-Cy5-5	224	51.44	656	5	0.0078	27	Pass
Blue	A	PE-Cy7	126	107.18	713	8	0.0096	24	Pass
Red	C	APC	372	28.10	602	5	0.0190	86	Pass
Red	A	APC-Cy7	214	28.64	576	5	0.0048	1084	Pass
Violet	B	V450	73	64.17	478	3	0.0478	2302	Pass
Violet	A	V500	109	34.10	488	4	0.0208	639	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.34	-32.06	1.10
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.53
Red	16.98	13.60 - 20.40	N/A	N/A	29.47	29.73	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11262

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments